

**DANIEL J. EPSTEIN DEPARTMENT OF
INDUSTRIAL AND SYSTEMS ENGINEERING**

EPSTEIN INSTITUTE SEMINAR • ISE 651 SEMINAR

***Risk Analysis in Real Life and Recent
Developments Including Games***

Dr. M. Elisabeth Paté-Cornell

**Burt and Deedee McMurtry Professor of Engineering
Management Science and Engineering Department
Stanford University**

ABSTRACT

This talk will focus first on the challenges--and the joys-- of blending a full-time academic life including teaching and research on a spectrum of risk analysis topics, and a rich family life. The second part will cover recent developments in combining games and risks analyses with applications to project management and national security issues (counter-terrorism and nuclear counter-proliferation).

**TUESDAY, JANUARY 24, 2012
ANDRUS GERONTOLOGY BLDG (GER) ROOM 309
3:30 - 4:50 PM**

BIO



M. Elisabeth Paté-Cornell

Professor; Burt and Deedee McMurtry Professor of Engineering
Former Chair, Management Science and Engineering
Senior Fellow, Freeman Spogli Institute for International Studies, by courtesy

Dr. M. Elisabeth Paté-Cornell was born in Dakar, Senegal, in 1948. She attended public high schools both in Dakar and in La Rochelle, France. Her undergraduate degree is in mathematics and physics (BS, Marseilles, France, 1968), and her first graduate degrees are in applied mathematics and computer science (MS and Engineer Degree, Institut Polytechnique de Grenoble, France, 1970; 1971). In 1971 she came to study and live in the United States, where she has been a citizen since 1986. She received a Masters degree in Operations Research (OR) in 1972 and a Ph.D. in Engineering-Economic Systems (EES) in 1978, both from Stanford University. She then was an Assistant Professor of Civil Engineering at MIT, before joining the Stanford faculty in 1981, where she became Professor (in 1991) and then Chair (in 1997) in the Department of Industrial Engineering and Engineering Management (IEEM). In 1999, she was named the Burt and Deedee McMurtry Professor in the School of Engineering at Stanford University. She is presently Professor and Chair of the Department of Management Science and Engineering, as well as a Senior Fellow (by courtesy) of the Stanford Institute for International Studies.

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Strategic risk analysis with application to nuclear nonproliferation problems
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